



AMENDMENT UNDER 37 C.F.R. § 1.116

U.S. Appln. No.: 10/759,285

Attorney Docket No.: Q79305

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A rotary developing apparatus having a plurality of developing devices mounted along an outer periphery of a cylindrical rotary unit, said rotary developing apparatus comprising:
 - a first gear train for connecting said rotary unit to a drive source to rotate said rotary unit;
 - a second gear train for connecting only a developing device revolved and stopped at a developing position, as a result of said rotary unit being rotationally driven, to said drive source to drive said developing device; and
 - drive switching means for switching between said first gear train and said second gear train to connect either of them to said drive source.
2. (original): A rotary developing apparatus according to claim 1, wherein said first gear train connects said drive source to an input gear of said rotary unit through a rotary drive gear, and said second gear train connects said drive source to an input gear of the developing device through a development drive gear.
3. (canceled).

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appl. No.: 10/759,285
Attorney Docket No.: Q79305

4. (original): A rotary developing apparatus according to claim 2, wherein said drive switching means includes a rotary unit clutch for connecting said drive source to the input gear of said rotary unit, and a development clutch for connecting said drive source to the input gear of said developing device.

5. (original): A rotary developing apparatus according to claim 4, wherein said development clutch is a one-way clutch.

6. (currently amended): A rotary developing apparatus having a plurality of developing devices coupled to a rotary unit, said rotary developing apparatus comprising:

a first gear that at least indirectly connects said rotary unit to a drive source to rotate said rotary unit;

a developing device that is revolved and stopped at a predetermined position as a result of said rotary unit being rotated by said drive source; and

a second gear that at least indirectly connects only said developing device stopped at said predetermined position to said drive source to drive said developing device.

7. (previously presented): A rotary developing apparatus according to claim 6, wherein the drive source alternately drives the first gear and the second gear.

AMENDMENT UNDER 37 C.F.R. § 1.116

U.S. Appln. No.: 10/759,285

Attorney Docket No.: Q79305

8. (currently amended): A rotary developing apparatus having a plurality of developing devices mounted along an outer periphery of a cylindrical rotary unit, wherein said rotary unit equipped with the plurality of developing devices is rotated to successively move said developing devices to a developing position to perform a developing operation, said rotary developing apparatus comprising:

a first gear train for connecting said rotary unit to a drive source to rotate said rotary unit;

a second gear train for connecting only a developing device revolved and stopped at said developing position, as a result of said rotary unit being rotationally driven, to said drive source to drive said developing device; and

drive switching means for switching between said first gear train and said second gear train to connect either of them to said drive source.

9. (new): A rotary developing apparatus according to claim 1, wherein said drive switching means comprises a drive switching solenoid for carrying out said switching, wherein said first gear train is connected to said drive source when said solenoid is not energized.

10. (new): A rotary developing apparatus according to claim 6, further comprising a drive switching solenoid for switching between said drive source being at least indirectly connected to said first gear and at least indirectly to said second gear, wherein said first gear is at least indirectly connected to said drive source when said solenoid is not energized.

11. (new): A rotary developing apparatus according to claim 8, wherein said drive switching means comprises a drive switching solenoid for carrying out said switching, wherein said first gear train is connected to said drive source when said solenoid is not energized.

12. (new): A rotary developing apparatus according to claim 5, wherein said rotary unit clutch is not a one-way clutch.

13. (new): A rotary developing apparatus according to claim 6, further comprising a drive switching means for switching between said first gear and said second gear to connect either of them to said drive source;

wherein said drive switching means includes a rotary unit clutch for connecting said drive source to said first gear, and a development clutch for connecting said drive source to said second gear.

14. (new): A rotary developing apparatus according to claim 13, wherein said development clutch is a one-way clutch.

15. (new): A rotary developing apparatus according to claim 14, wherein said rotary unit clutch is not a one-way clutch.